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(71) Applicant and
(72) Inventor: BARNARD, Hubert, de Villiers [ZA/ZA]; 103 van der Merwe Street, Silverton Ridge, 0184 Pretoria (ZA).

(74) Agents: GILSON, David, Grant et al.; Spoor and Fisher, PO Box 41312, 2024 Craighall (ZA).

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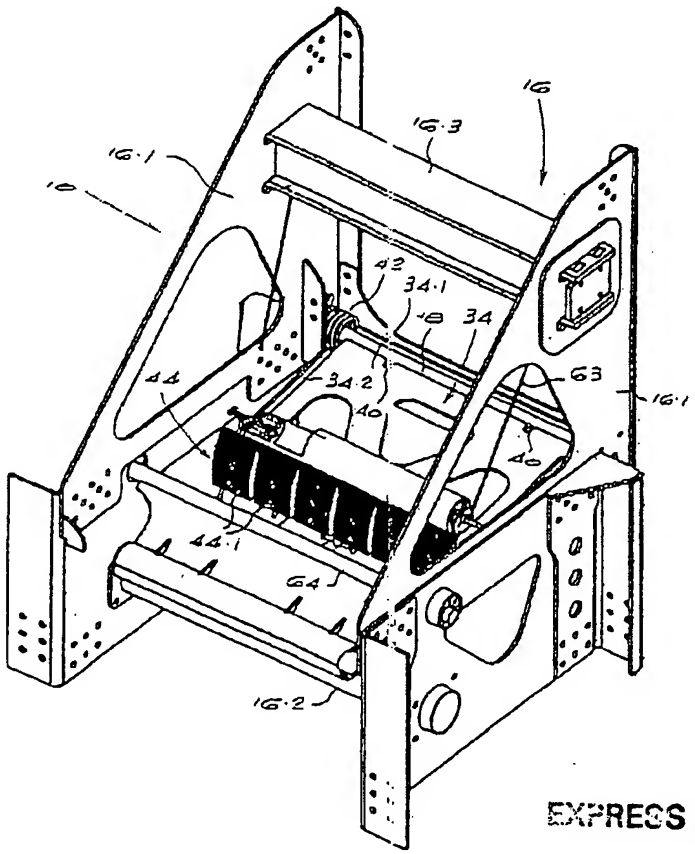
(54) Title: CONVEYOR BELT ARRESTOR



(57) Abstract: The invention concerns a conveyor belt arrestor, primarily for use with inclined conveyor belts, which operates to arrest the belt in the event that the belt breaks. The arrestor (10) of the invention has a frame (16) which is mounted in use to fixed structure of a conveyor belt installation. The frame includes a reaction member in the form of a beam (16.3) located above the top run of the belt (12). A wedging structure (18, 34, 44) is located beneath the top run of the conveyor belt and is mounted for swinging movement in a vertical plane relative to the frame. A torsion spring (42) is tensioned in use to apply a rotational bias to the wedging structure in a direction to swing it upwardly in the event of the belt breaking and belt tension being lost. This lifts the top run (12.1) of the belt towards the reaction member (16.3) such that the top run of the belt is trapped between the wedging structure and the reaction member by a wedging action that prevents movement of the top run of the belt in a direction opposite to its normal direction of forward travel.

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